

F19

CROSSLINKED ABSORBABLE NONWOVEN FABRIC

Patent Number: JP61089364
Publication date: 1986-05-07
Inventor(s): NAKAHARA YASUHARU; EGAMI AKIRA; KATAOBE AKIRA
Applicant(s):: ASAHI CHEMICAL IND
Requested Patent: ☒ JP61089364
Application Number: JP19850158363 19850719
Priority Number(s): JP19850158363 19850719
IPC Classification: D04H3/03 ; A61F13/00 ; A61F13/18 ; A61F13/20
EC Classification:
Equivalents:

Abstract

Data supplied from the esp@cenet database - I2

1/1 DWPI(C) Derwent

AN - 1986-158093 [25]
XR - 1981-24542D
XA - C1986-067582
XP - N1986-117507
TI - Nonwoven absorption fabric - made of regenerated cellulose
crosslinked with sodium salt of carboxymethyl-cellulose
PA - (ASAH) ASahi CHEM IND CO LTD
DC - A11 A96 D22 F04 F07 P32
AB - JP61089364 A

The nonwoven fabric is made from filaments of regenerated cellulose which is crosslinked with sodium salt of carboxymethylcellulose and has a single fibre size of less than 7 denier. The fabric is substantially water insol. and shows distilled water absorption of 50-100 times and 1% salt water absorption of 20-40 times as much as its original weight.

- Nonwoven fabric consisting of regenerated cellulose fibre such as continuous cuprammonium rayon filament is treated with monochloroacetic acid or its salt in a mixed solvent consisting of 45-80 vol.% of isopropanol, 10-30 vol.% of methanol and 10-25 vol.% of water.
- ADVANTAGE - The nonwoven fabric has sufficient tensile strength and flexibility and high absorbing capacity and is useful as water retainer for growth of plants and sanitary materials such as underpad and sanitary napkin. (6pp Dwg.No.0/0)